

# INFORMATION DISCLOSURE CITATION

Form PTO-1449 (Modified)

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ATTY. DOCKET NO.  
UCSF129CIPSERIAL NO.  
09/817,360APPLICANT  
GERMAN et al.CONFIRMATION NO.  
2345FILING DATE  
MARCH 20, 2001EXAMINER (GROUP)  
UNASSIGNED (1635)

## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	5,795,723	08/18/98	Tapscott et al.			
DL	AB	5,830,730	11/03/98	German et al.			
DL	AC	6,127,598	10/03/00	German et al.			

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
DL	AD	WO 01/01130	04 JAN 2001	PCT WIPO				

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AE	<del>GenBank Accession No. U76208, deposited February 5, 1997</del>						
	AF	<del>GenBank Accession No. Y09167, deposited November 14, 1997.</del>						
	AG	<del>GenBank Accession No. Y10619, deposited May 6, 1997.</del>						
DL	AH	GenBank Accession No. AJ133776.1, deposited June 19, 1999.						
	AI	GenBank Accession No. NM_020999, deposited November 29, 2000.						
	AJ	Furuta et al. (August 1998), "Beta-Cell Transcription Factors and Diabetes." <i>Diabetes</i> , Vol. 47:1356-1358.						
	AK	Goldfine et al. (December 1997), "The Endocrine Secretion of Human Insulin and Growth Hormone by Exocrine Glands of the Gastrointestinal Tract." <i>Nature Biotechnology</i> , Vol. 15:1378-1382.						
	AL	Horikawa et al. (November 2000), "Beta-Cell Transcription Factors and Diabetes." <i>Diabetes</i> , Vol. 49:1955-1957.						
	AM	Iannotti et al. (1997), "Identification of a Human LMX1 (LMX1.1)-Related Gene, LMX1.2:Tissue Specific Expression and Linkage Mapping of Chromosome 9." <i>Genomics</i> , Vol. 43:520-524.						
DL	AN	Inoue et al. (1997), "Isolation, Characterization, and Chromosomal Mapping of the Human Nkx6.1 Gene (NKX6A), a New Pancreatic Islet Homeobox Gene." <i>Genomics</i> , Vol. 40:367-370.						

EXAMINER <i>Brian M. H. [Signature]</i>	DATE CONSIDERED <i>12/17/02</i>
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RU	AO	Mamra et al. (May 12, 2000), "Beta-Cell Differentiation Factor Nkx6.1 Contains Distinct DNA Binding Interference and Transcriptional Repression Domains." <i>The Journal of Biochemistry</i> , Vol. 275(19):14743-14751.
	AP	Odagiri et al. (January 26, 1996), "Function of the Human Insulin Promoter in Primary Cultured Islet Cells." <i>The Journal of Biochemistry</i> , Vol. 271(4):1909-1915.
	AQ	Ogata et al. (March 2001), "Mutations in the Coding Region of Neurogenin 3 Gene (NEUROG3) are no Common Cause of Maturity-Onset Diabetes in Japanese Subject." <i>Diabetes</i> , Vol. 50(3):694-696.
	AR	Rudnick et al. (December 1994), "Pancreatic Beta Cells Express a Diverse Set of Homeobox Genes." <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 91:12203-12207.
	AS	Sander et al. (September 1998), "A Novel Glucose-Responsive Element in the Human Insulin Gene Function as Uniquely in Primary Cultured Islets." <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 95:11572-11577.
	AT	Sander et al. (1997), "The beta Cell Transcription Factors and Development of the Pancreas." <i>J. Mol. Med.</i> , Vol. 75:327-340.
	AU	Sander et al. (1997), "Genetic Analysis Reveals that PAX6 is Required for Normal Transcription of Pancreatic Hormone Genes and Islet Development." <i>Genes and Development</i> , Vol. 11:1662-1673.
	AV	Sander et al. (2000), "Homeobox Gene Nkx6.1 Lies Downstream of Nkx2.2 in the Major Pathway of Beta-Cell Formation in the Pancreas." <i>Development</i> , Vol. 127:5533-5540.
RU	AW	Schwizgebel et al. (2000), "Expression of Neurogenin3 Reveals an Islet Cell Precursor Population in the Pancreas." <i>Development</i> , Vol. 127:3533-3542.
	AX	Sommer et al. (1996), "Neurogenins, a Novel Family of Atonal-Related bHLH Transcription Factors, Are Putative Mammalian Neuronal Determination Genes that Reveal Progenitor Cell Heterogeneity in the Developing CNS and PNS." <i>Molecular and Cellular Neuroscience</i> , Vol. 8:221-241.
RU	AY	Sussel et al. (1998), "Mice Lacking the Homeodomain Transcription Factor Kkx2.2 Have Diabetes due to Arrested Differentiation of Pancreatic Beta Cells." <i>Development</i> , Vol. 125:2213-2221.
	AZ	Wang et al. (April 1997), "Regulation of Insulin preRNA Splicing by Glucose." <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 94:4360-4365.
RU	BA	Watada et al. (2000), "Transcriptional and Translational Regulation of Beta-Cell Differentiation Factor Nkx6.1." <i>The Journal of Biological Chemistry</i> , Vol. 275(44):34224-34230.

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			<b>Application Number</b>	09/817,360		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>			<b>Filing Date</b>	March 20, 2001	7/2/02 SS	
			<b>First Named Inventor</b>	German, et al.		
			<b>Group Art Unit</b>	1635		
			<b>Examiner Name</b>	Unassigned		
			<b>Attorney Docket Number</b>	UCSF-129CIP		
<b>Sheet</b>	1	of	2			

U.S. PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Documents		Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, columns, lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
BW	AA	5,795,723		Tapscott, et al.	08-18-1998	

FOREIGN PATENT DOCUMENTS								
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Documents			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
B~	AB		WO 96/34093		Lee, et al.	10-31-1996		

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
a	AC	GRADWOHL, et al. "Neurogenin3 is required for the development of the four endocrine cell lineages of the pancreas", <i>Proc. Natl. Acad. Sci. USA.</i> , (2000) Vol. 97(4): 1607-1611.	
	AD	HUANG, et al. "Transcription factors involved in pancreatic islet development", <i>J. Biomedical Sci.</i> , (2000) Vol. 7(1): 27-34.	
	AE	JENSEN, et al. "Independent development of pancreatic alpha and beta cells from neurogenin3 – expressing precursors: A role for the Notch pathway in repression of premature differentiation", <i>Diabetes</i> , (2000) Vol. 49(2): 163-176.	
	AF	RAVASSARD, et al. "Relax, a novel rat bHLH transcriptional regulator transiently expressed in the ventricular proliferating zone of the developing central nervous system", <i>Canadian J. Chem.</i> , (1997) Vol. 48(2): 146-158.	
	AG	RAVASSARD, et al. "Homo sapiens gene for neurogenin3", <i>Database EMBL Online</i> , (1999) Database accession No. AJ33776.	
B~	AH	RUDINGER. "Characteristics of the amino acids as components of a peptide hormone sequence" in <i>Peptide Hormones</i> (ed. J.A. Parson), (1976) pp. 1-7, University Park Press, Baltimore.	

Examiner Signature	<i>David Allen</i>	Date Considered	12/21/02
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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/817,369		
		Filing Date	March 20, 2001		
		First Named Inventor	German, et al.		
		Group Art Unit	1635		
		Examiner Name	Unassigned		
Sheet	2	of	2	Attorney Docket Number	UCSF-129CIP

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DU	AI	SOMMER, et al., "Neurogenins, a novel family of atonal-related bHLH transcription factors, are putative mammalian neuronal determination genes that reveal progenitor cell heterogeneity in the developing CNS and PNS," <i>Molecular and Cellular Neuroscience</i> , (1996) Vol. 8: 221-241.	
	AJ	GenBank Accession No. U76208, deposited Feb. 5, 1997	
	AK	GenBank Accession No. Y09167, deposited Nov. 14, 1997	
DU	AL	GenBank Accession No. Y10619, deposited May 6, 1997	

Examiner Signature	<i>Brian A. H...</i>	Date Considered	12/25/02
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